

**SCHRAMM**

# T130XD

A heavy duty, heavy hoist carrier mounted drill rig. The T130XD utilizes innovative Telemast technology to achieve Range III pipe capability in a compact over the road package.

- Equipped with Schramm Telemast
- 50' head travel handles Range III casing
- 43' transport length with less than 6' overhang
- 130,000 lbs hoist
- No sub-structure required
- Mast slides to clear BOP

# ROTADRILL



**CARRIER MOUNTED RIG EQUIPPED WITH TELEMAST**

# T130XD ROTADRILL SPECIFICATIONS



## Engine

Detroit Diesel DDC/MTU 12V-2000TA DDEC  
760 bhp (567 kw) @ 1800 rpm

## Standard Compressor

Variable volume two-stage, oil flooded  
rotary screw  
1350 cfm @ 350 psi (38.0 cu. m/min @ 24.1 bar),  
up to 1150 cfm @ 500 psi (32.6 cu. m/min @  
35.5 bar)

## Cooling

Three core, side by side type  
130°F (54.4°C) ambient design temp.

## Dimensions

OA length, transport - 42' 9" (13 m)  
OA width - 8' 6" (2.6 m)  
OA height, transport - 13' 6" (4.1 m)  
Weight std. rig - 92,000 lb (41,723 kg)

## Carrier

CCC 8x4 Carrier  
Cat C-13, 410 hp @ 2100 rpm engine  
44,000 lb (19,955 kg) front axles  
21,500 lb (9,750 kg) pusher axle  
52,000 lb (23,587 kg) rear axles  
117,500 lb (53,298 kg) GVWR

## Top Head Rotation

Ductile iron, single reduction oil bath gearbox  
with two disc valve type hydraulic motors.  
Infinitely variable rotation speed.  
3.5:1 Reduction Gear  
3" diameter (76.2 mm) spindle thru hole  
0-143 rpm, infinitely variable  
106,600 in-lb (12,045 N·m) torque

## Feed System

Top head is driven by hydraulic traverse  
cylinders through special wire rope and large  
diameter Nylatron sheaves. As top head is raised,  
the inner mast section extends by a ratio of 1:2  
until it reaches its fully extended position at 50'  
of clear head travel.  
42' 9" (13 m) OA height (retracted)  
69' 9" (21.65 m) OA height (extended)  
50' (15.24 m) top head travel  
130,000 lb (59,090 kg) pullup  
8 fpm (2.44 mpm) pullup speed-slow feed  
125 fpm (38.1 mpm) pullup speed-rapid feed  
32,000 lb (14,545 kg) pulldown capacity  
26 fpm (7.92 mpm) pulldown speed-slow feed  
270 fpm (82.3 mpm) pulldown speed-rapid feed  
52' 10" (16.1 m) working clearance mast spindle  
to table (sub removed)  
48' 10" (14.9 m) working clearance mast sub to  
table

## Drill Pipe & Casing

30' x 4-1/2" OD x 2-7/8 IF breakout style drill pipe,  
range III casing  
28" (711 mm) max. diameter through slipbox

## Mast

Telescoping construction permits long head travel  
and working height, yet short OA length in  
transport position.

32" (813 mm) cylinder operated slide  
Free-standing mast  
hydraulically operated adjustable mast feet  
hydraulically retracted slip box  
20" (508 mm) table opening w/o slips

## Winch

Planetary with spring applied hydraulic  
release brake  
9,600 lb (4,354 kg) bare drum line pull  
151 fpm (46 mpm) bare drum line speed

## Hydraulic System

Open loop load sensing system  
7 micron filtration  
200 gallon (760 l) system capacity

## Water Injection System

25 gpm (95 lpm) water pump  
Electric foam pump

## Outriggers

Front - (1) 5" bore x 41" stroke  
(127 mm x 1.4 m)  
Rear - (2) 5" bore x 41" stroke  
(127 mm x 1.4 m)

## Tool Lubricator

Positive displacement, air pump operated  
piston type pump variable to 5.0 gph  
(18.9 lph)

## Lighting & Electrical System - 24 Volt

Mast - (4) 60 watt floodlights  
Control Panel - (2) 60 watt gauge floodlights  
Work - (3) 70 watt halogen

## Accessories

Pipe handling sling, 60" breakout wrench,  
and 50 hour maintenance kit.

## Optional Equipment

Many modifications are available including:  
Third driving axle  
Reverse circulation package  
Tilt-out top head  
High capacity top head  
Single pipe loading arm  
Auxiliary winch controls  
Auxiliary air supply

These specifications are based on theoretical calculations and industry standards. Performance will vary according to actual drilling conditions. Schramm, Inc. continuously improves its products and reserves the right to change specifications, design, prices and terms at any time without notification or obligation. These specifications do not extend any warranty, expressed or implied, nor do they or Schramm, Inc. make or imply any representation of the machine's merchantability or fitness for a particular purpose.



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